

NEBRASKA WEATHER & CROPS

For Week Ending July 4, 1993

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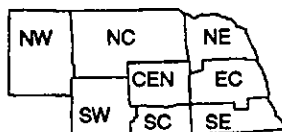
Phone: (402) 437-5541

Location: 273 Federal Bldg.

P.O. Box 81069

Lincoln, NE 68501

National Agricultural Statistics Service
U.S. Department of Agriculture
and U.S. Department of Commerce
National Oceanic and Atmospheric Admn.
National Weather Service



Nebraska Department of Agriculture
Division of Agr'l Statistics
Cooperative Extension Service
Institute of Agriculture
and Natural Resources--UN-L

WEATHER

Temperatures for the week averaged from two degrees below normal in the north to two degrees above normals in the south. Precipitation occurred throughout the week with amounts from a trace to an inch in the northwest up to 2.97 inches in the northeast.

GENERAL

Fieldwork activities were once again limited due to rainfall and wet field conditions, according to the Nebraska Agricultural Statistics Service. Chemical and mechanical weed control activities as well as field preparations for gravity irrigation continued where surface conditions permitted. Planting and replanting occurred limitedly where possible, with many fields not yet planted to remain unplanted due to field conditions. Sunshine this past week has promoted rapid growth, but more sunny hot days are needed for row crop growth and wheat harvest.

CROPS

Wheat condition was rated at 1% very poor, 1% poor, 28% fair, 65% good, and 5% excellent. Damp weather has kept the crop from maturing at a normal pace and was about 12 days behind the average. Spot harvesting was occurring in the southwest and south central areas. Last year at this time 7% had been cut with 31% cut for the 5-year average. Most areas hope to be started with harvest by July 10. Wet weather related diseases continue to affect many southern fields.

CROPS (Cont.)

Corn condition was rated at 3% poor, 13% fair, 76% good, and 8% excellent. Cultivation and chemical weed control continued where surface conditions permitted. Concerns were arising about whether or not cultivation and hilling could be performed before corn has grown too tall.

Soybean condition was rated at 6% poor, 19% fair, 72% good, and 3% excellent. Reports indicated plants were beginning to bloom in a few areas of the State, overall less than 1% had bloomed to date. Last year at this time 3% had bloomed with 10% for the 5-year average.

Sorghum condition was rated at 5% poor, 29% fair, 61% good, and 5% excellent.

Alfalfa condition was rated at 13% fair, 65% good, and 22% excellent. Second cutting activities have begun across the State but remain behind normal due to weather delays. Wild hay condition was rated at 1% fair, 63% good, and 36% excellent.

LIVESTOCK

Pasture and range condition was rated at 103% of normal and compares with 90% of normal last year at this time. Pastures continued to provide excellent grazing in most areas. Producers were working at musk thistle control. Cattle were doing well.

FIELD WORK PROGRESS AS OF JULY 5, 1993	AGRICULTURAL STATISTICS DISTRICTS								STATE	LAST WEEK	LAST YEAR	AVER- AGE
	NW	NC	NE	C	EC	SW	SC	SE				
% wheat turning	95	93	94	83	89	98	100	100	97	68	100	97
% wheat ripe	4	17	4	1	3	31	14	11	14	2	44	58
% alfalfa first cutting	100	99	98	99	96	100	100	99	99	94	100	100
% alfalfa second cutting	4	25	9	4	5	9	11	18	10	5	20	22
DAYS SUITABLE AND SOIL MOISTURE CONDITION AS OF JULY 3, 1993												
Days suitable	58	41	29	39	24	58	51	27	39	31	45	
Topsoil moisture - Short	25	0	0	0	0	22	0	0	5	2	20	
(Percent) - Adequate	67	75	36	14	15	56	85	24	44	47	73	
- Surplus	8	25	64	86	85	22	15	77	51	51	7	
Subsoil moisture - Short	0	0	0	0	0	11	0	0	1	0	14	
(Percent) - Adequate	100	92	57	86	30	89	85	47	67	70	86	
- Surplus	0	8	43	14	70	0	15	53	32	30	0	

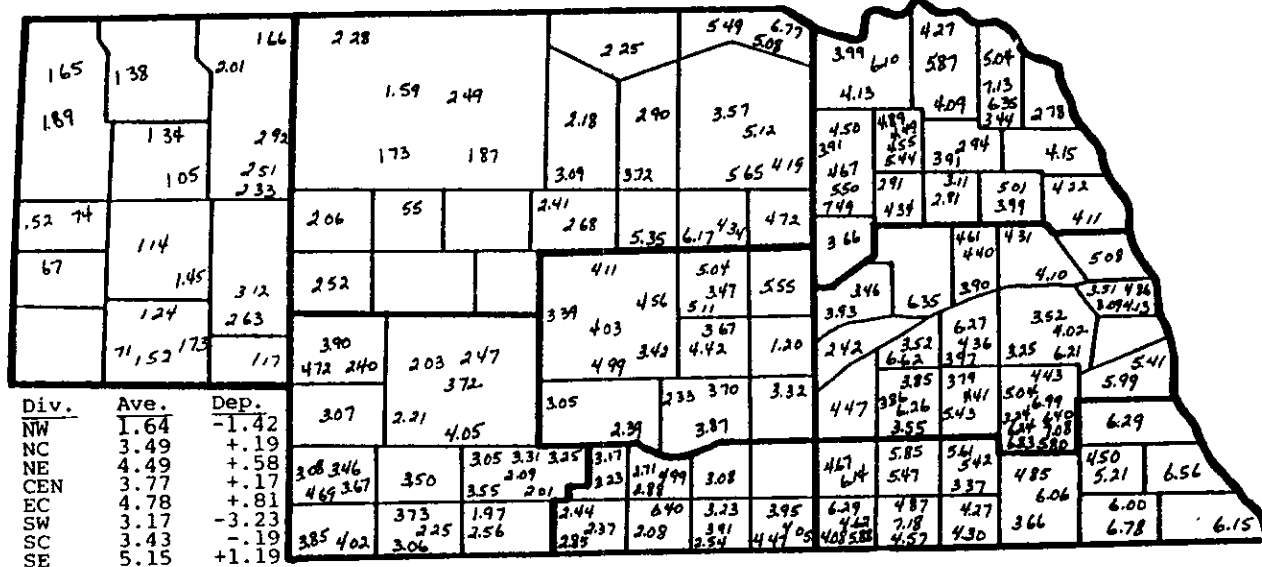
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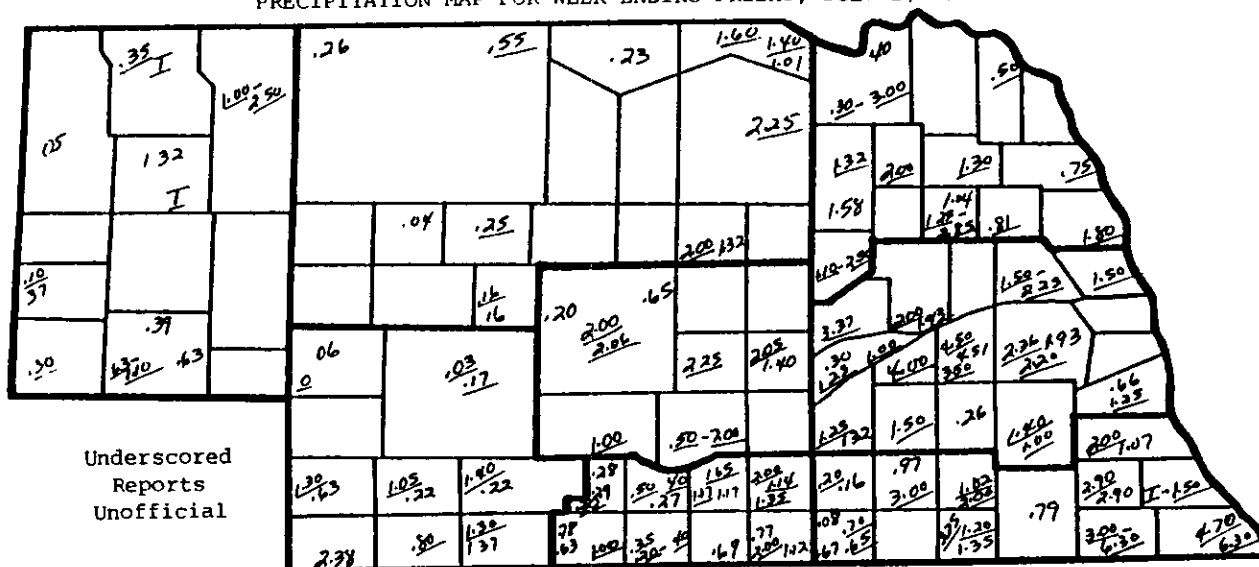
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PRECIPITATION MAP FOR MONTH OF MAY 1993 1/



1/ Courtesy of the Department of Agricultural Meteorology, Institute of Agriculture and Natural Resources, The University of Nebraska-Lincoln.

PRECIPITATION MAP FOR WEEK ENDING FRIDAY, JULY 2, 1993



PRECIPITATION, APRIL 1 - JULY 2, 1993

	NW	NC	NE	CEN	EC	SW	SC	SE
Total past week42	.50	1.01	.75	1.50	.81	.64	1.00
Total since April 1	8.37	11.33	13.80	12.55	15.66	9.64	10.15	14.41
Normal since April 1	8.05	9.34	10.73	10.09	11.31	8.46	10.05	11.39
Total as % of normal	104%	121%	129%	124%	138%	114%	101%	127%

TEMPERATURE, PRECIPITATION, AND GROWING DEGREE DAY DATA, WEEK ENDING SUNDAY, JULY 4, 1993

Station		Temperature				Precipitation	Growing Degree Data Since April 15		
		Extremes		Mean	Departure	Total Inches 1/	Last Week	Current	Normal
		Max	Min						
NW	Chadron	88	53	72	---	T	---	---	---
	Scottsbluff	89	47	70	-2	.11	864	1002	1039
	Sidney	96	51	73	---	0	802	937	1032
NC	Valentine	92	54	71	-2	.57	853	992	1041
NE	Norfolk	92	60	74	0	2.97	---	---	---
	Sioux City	91	62	74	0	1.37	---	---	---
	Concord	---	---	---	---	---	868	1012	1231
	Elgin	---	---	---	---	---	839	984	1179
	West Point*	---	---	---	---	---	929	1093	1265
	Grand Island	94	62	76	+1	1.27	963	1138	1232
CEN	Ord	93	59	74	---	1.31	870	1022	1233
	Lincoln	91	66	78	+1	.40	1004	1193	1296
EC	Omaha	89	64	75	0	.96	1015	1195	1227
	Columbus	---	---	---	---	---	1027	1197	1266
	York	---	---	---	---	---	964	1143	1317
SW	Imperial	97	55	75	---	.20	---	---	---
	North Platte	96	57	74	+2	.11	**888	**1038	**1163
SC	Holdrege	---	---	---	---	---	942	1111	1290
SE	Beatrice	---	---	---	---	---	1016	1198	1406
	Clay Center	---	---	---	---	---	944	1112	1320

1/ Precipitation totals not included in map above. * Automated weather station. ** North Platte Experiment Station.

Growing Degree Days (GDD) are used to measure the length of time required for a crop to reach maturity. The formula used to calculate GDD is: Max. temp + min. temp. divided by 2 minus 50 = GDD. For example, if the average temperature for a day = 70 degrees, the GDD = 20 for that day. GDD are calculated for each day and accumulated from April 15.

Growing Degree Day data is furnished by the Department of Agricultural Meteorology, Institute of Agriculture and Natural Resources, The University of Nebraska-Lincoln.